

Figure 1

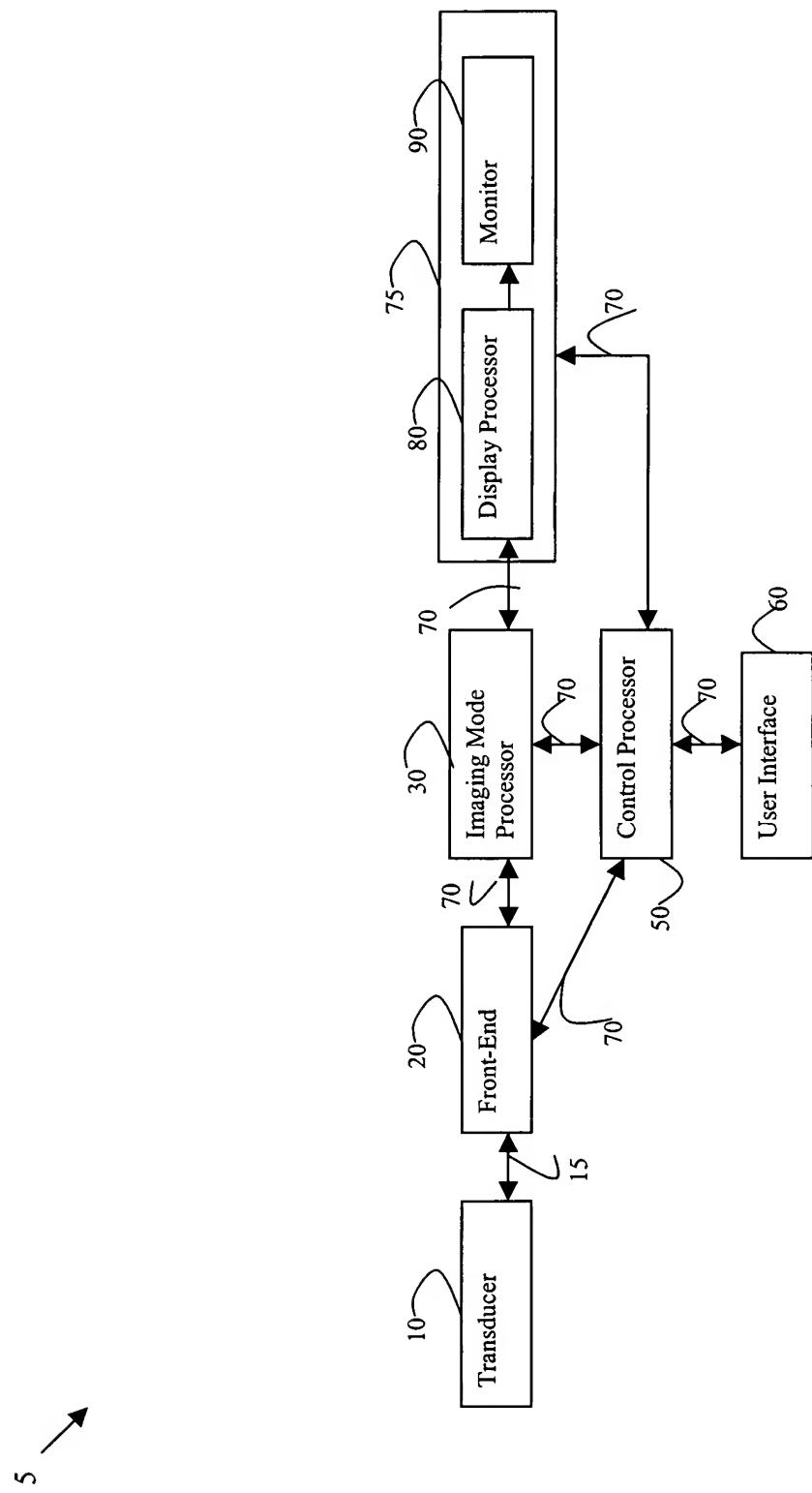


Figure 2

200

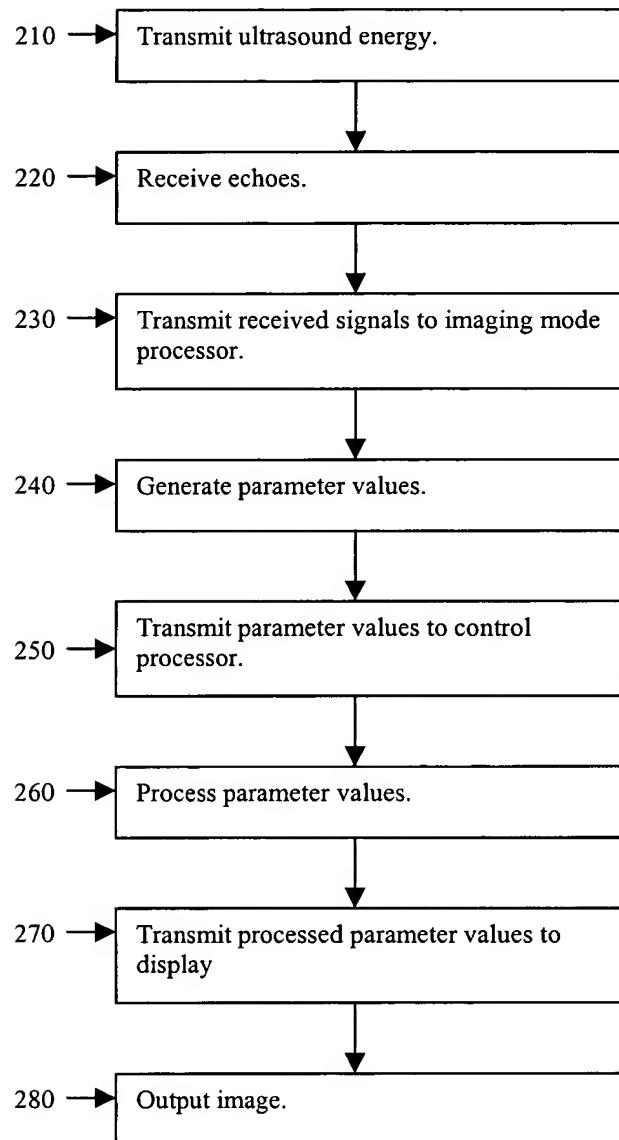


Figure 3

Conventional Golay Code: Framerate loss due to Golay code's double firing
 - > 2 firings per line

Line Code	1	2	3	4	5	6	...
	A	A	A	A	A	A	...
	B	B	B	B	B	B	...

Solution : Alternate Codes on adjacent lines and interpolate received RF

Line Code	1	2	3	4	5	6	...
	A		A		A		...
RF Interp.		B		B		B	...

Figure 4

400

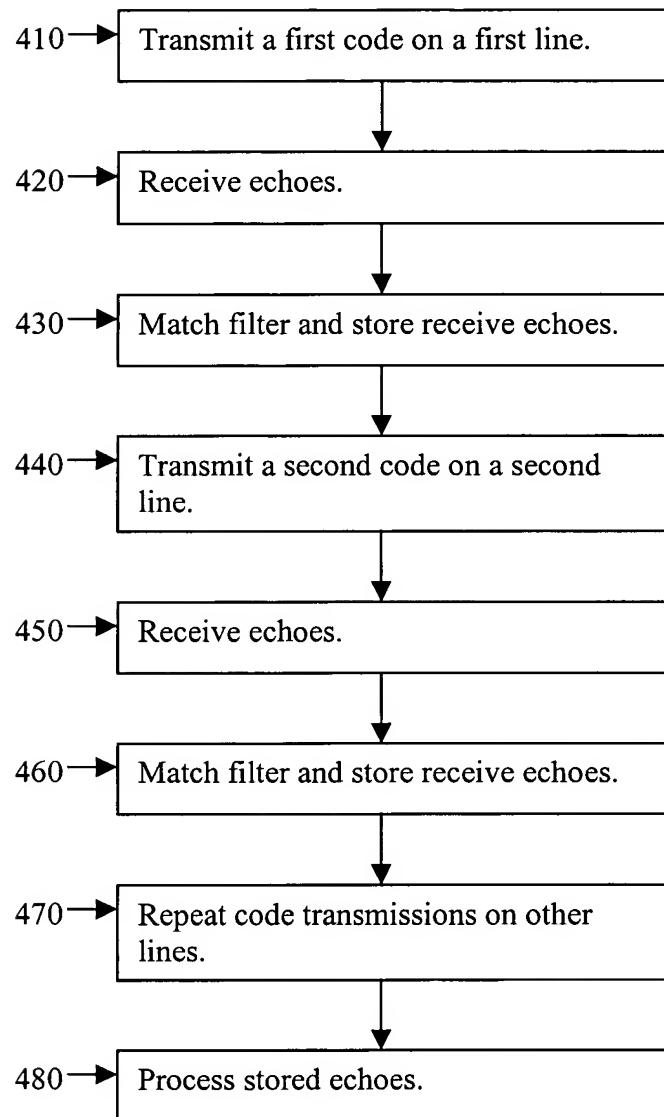


Figure 5

Alternate Solution 1 3 3 1 Filter

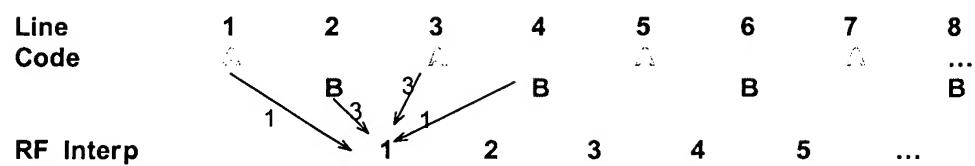


Figure 6

line zone	1	2	3	4	5 ...
1	A	B	A	B	A
2	B	A	B	A	B
3	A	B	A	B	A
4	B	A	B	A	B
...					

Figure 7

MLA (2 for 1) Situation Alternate Codes on adjacent lines and Swap Right pipe of odd lines with left pipes of next even lines

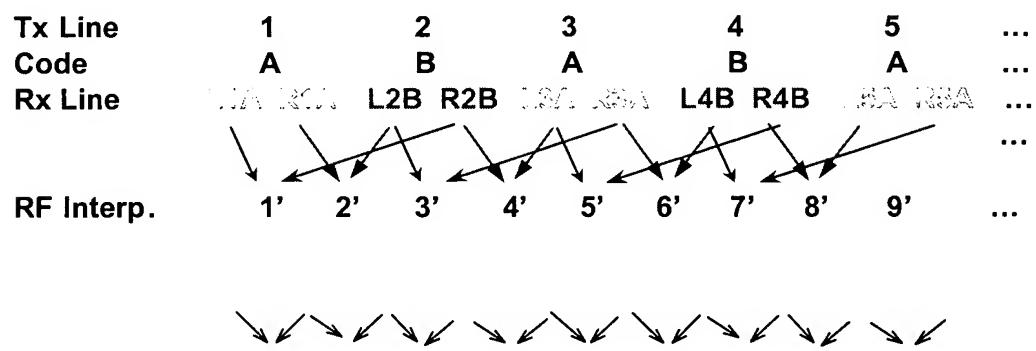


Figure 8

